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| L11 and complex | 20 |

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 US Patents Full-Text Database
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 EPO Abstracts Database
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 IBM Technical Disclosure Bulletins

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| <u>L11</u> | L10 and ester.ti. | 23 | <u>L11</u> |
| <u>L10</u> | L9 and (boron trifluoride or bf3) | 125 | <u>L10</u> |
| <u>L9</u> | I5 and 560/\$ | 125 | <u>L9</u> |
| <u>L8</u> | L6 and (mtbe or methyl-t-butylether) | 2 | <u>L8</u> |
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| <u>L5</u> | L4 and (alcohol and ester) | 929 | <u>L5</u> |
| <u>L4</u> | L3 and carbon monoxide | 1300 | <u>L4</u> |
| <u>L3</u> | L2 and (boron trifluoride or bf3) | 25789 | <u>L3</u> |
| <u>L2</u> | OLEFIN OR ETHER | 974430 | <u>L2</u> |
| <i>DB=PGPB; PLUR=YES; OP=ADJ</i> | | | |
| <u>L1</u> | 20010041808 | 1 | <u>L1</u> |

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☐ 1. Document ID: US 20010041808 A1

Using default format because multiple data bases are involved.

L12: Entry 1 of 20

File: PGPB

Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010041808

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010041808 A1

TITLE: Production of esters

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|-------------------|-------|---------|---------|
| Mozeleski, Edmund J. | Califon | NJ | US | |
| Beck, Carl R. | Greenwell Springs | LA | US | |
| Nadler, Kirk C. | Houston | TX | US | |
| Schlosberg, Richard H. | Bridgewater | NJ | US | |

US-CL-CURRENT: 560/233; 560/232, 560/240

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
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☐ 2. Document ID: US 6075161 A

L12: Entry 2 of 20

File: USPT

Jun 13, 2000

US-PAT-NO: 6075161

DOCUMENT-IDENTIFIER: US 6075161 A

TITLE: Preparation of 3-pentenoic acid esters by carbonylation of alkoxybutenes

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 3. Document ID: US 6011171 A

L12: Entry 3 of 20

File: USPT

Jan 4, 2000

US-PAT-NO: 6011171

DOCUMENT-IDENTIFIER: US 6011171 A

TITLE: Process for synthesis of tertiary carboxylic acids and the esters thereof

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 4. Document ID: US 5886211 A

L12: Entry 4 of 20

File: USPT

Mar 23, 1999

US-PAT-NO: 5886211

DOCUMENT-IDENTIFIER: US 5886211 A

TITLE: Process for producing 2-(halomethyl)phenylacetic acid esters

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 5. Document ID: US 5869729 A

L12: Entry 5 of 20

File: USPT

Feb 9, 1999

US-PAT-NO: 5869729

DOCUMENT-IDENTIFIER: US 5869729 A

TITLE: Method of producing an ester compound

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 6. Document ID: US 5463095 A

L12: Entry 6 of 20

File: USPT

Oct 31, 1995

US-PAT-NO: 5463095

DOCUMENT-IDENTIFIER: US 5463095 A

TITLE: Process for the production of esters

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 7. Document ID: US 5322633 A

L12: Entry 7 of 20

File: USPT

Jun 21, 1994

US-PAT-NO: 5322633

DOCUMENT-IDENTIFIER: US 5322633 A

TITLE: Preparation of branched chain carboxylic esters

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 8. Document ID: US 5315027 A

L12: Entry 8 of 20

File: USPT

May 24, 1994

US-PAT-NO: 5315027

DOCUMENT-IDENTIFIER: US 5315027 A

TITLE: Catalytic process for preparing the alkyl esters of ibuprofen

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
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☐ 9. Document ID: US 4937375 A

L12: Entry 9 of 20

File: USPT

Jun 26, 1990

US-PAT-NO: 4937375

DOCUMENT-IDENTIFIER: US 4937375 A

**** See image for Certificate of Correction ****TITLE: (Phenylethenyl)phenylpropionic acid and its ester, and method for producing (benzoylphenyl)propionic acid or its ester

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
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☐ 10. Document ID: US 4894188 A

L12: Entry 10 of 20

File: USPT

Jan 16, 1990

US-PAT-NO: 4894188

DOCUMENT-IDENTIFIER: US 4894188 A

TITLE: Process for producing fatty acids and their ester derivatives

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
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☐ 11. Document ID: US 4806676 A

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L12: Entry 11 of 20

File: USPT

Feb 21, 1989

US-PAT-NO: 4806676

DOCUMENT-IDENTIFIER: US 4806676 A

TITLE: Carbonylation process for preparation of aromatic carboxylic esters and an alkyl iodide

DATE-ISSUED: February 21, 1989

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Steinmetz; Guy R. | Kingsport | TN | | |
| Rule; Mark | Kingsport | TN | | |

US-CL-CURRENT: 560/80; 560/100, 560/102, 560/103, 560/76, 560/97, 570/181, 570/261

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw Ds |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|---------|

☐ 12. Document ID: US 4694100 A

L12: Entry 12 of 20

File: USPT

Sep 15, 1987

US-PAT-NO: 4694100

DOCUMENT-IDENTIFIER: US 4694100 A

TITLE: Method for producing .alpha.-(p-isobutylphenyl)propionic acid or its alkyl esters

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw Ds |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|---------|

☐ 13. Document ID: US 4612387 A

L12: Entry 13 of 20

File: USPT

Sep 16, 1986

US-PAT-NO: 4612387

DOCUMENT-IDENTIFIER: US 4612387 A

TITLE: Production of carboxylic acids and esters

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 14. Document ID: US 4518798 A

L12: Entry 14 of 20

File: USPT

May 21, 1985

US-PAT-NO: 4518798

DOCUMENT-IDENTIFIER: US 4518798 A

TITLE: Preparing esters and carboxylic acids from lower olefins

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 15. Document ID: US RE31010 E

L12: Entry 15 of 20

File: USPT

Aug 10, 1982

US-PAT-NO: RE31010

DOCUMENT-IDENTIFIER: US RE31010 E

TITLE: Preparation of carboxylic acid esters with BF.sub.3 complex catalyst

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 16. Document ID: US 4311851 A

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File: USPT

Jan 19, 1982

US-PAT-NO: 4311851

DOCUMENT-IDENTIFIER: US 4311851 A

TITLE: Preparation of carboxylic acid esters with BF.sub.3 -alcohol complex catalyst

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 17. Document ID: US 4262138 A

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File: USPT

Apr 14, 1981

US-PAT-NO: 4262138

DOCUMENT-IDENTIFIER: US 4262138 A

TITLE: Preparation of carboxylic acid esters with BF.sub.3 complex catalyst

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
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☐ 18. Document ID: US 4229586 A

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File: USPT

Oct 21, 1980

US-PAT-NO: 4229586

DOCUMENT-IDENTIFIER: US 4229586 A

TITLE: Process for production of motor fuel and phthalate esters or acyclic
alcohols

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
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☐ 19. Document ID: US 4209652 A

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File: USPT

Jun 24, 1980

US-PAT-NO: 4209652

DOCUMENT-IDENTIFIER: US 4209652 A

TITLE: Process for production of motor fuel and phthalate esters or acyclic
alcohols

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
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☐ 20. Document ID: US 4048147 A

L12: Entry 20 of 20

File: USPT

Sep 13, 1977

US-PAT-NO: 4048147

DOCUMENT-IDENTIFIER: US 4048147 A

TITLE: Carboxylic acid of cyclopentadiene derivative, salt thereof, or ester
thereof and process for producing these compositions

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
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